IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Robert M. Jones, Graeme Semple, Beatriz Fioravanti, Guilherme Pereira, Imelda Calderon, Jane Uy, Kameshwari Duvvuri, Jin Sun Karoline Choi, Yifeng Xiong, Vibha Dave and Mihai D. Azimioara

For: 1,2,3-TRISUBSTITUTED ARYL AND HETEROARYL DERIVATIVES AS MODULATORS OF METABOLISM AND THE PROPHYLAXIS AND TREATMENT OF DISORDERS RELATED THERETO SUCH AS DIABETES AND HYPERGLYCEMIA

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This d	eclaration is fo	or the following type of application	ation:	
		(check one applicabl	e item b	pelow)
	Original			Divisional
	Continuation		\boxtimes	U.S. National Stage of PCT
	Continuation	-in-Part		
believ origin	e that I am the	original, first and sole invent nt inventor (if plural names a	or (if o	tated below next to my name, and I nly one name is listed below) or an below) of the subject matter which
	\boxtimes	Utility Patent		Design Patent
is sou	ght on the inve	ntion, whose title appears abo	ve, the	specification of which:
		is attached hereto		
		was filed on,	as U.S.	Serial Number
		and was amended or	l	(if applicable)
		was described and claimed	in PCT	International Application Number

PCT/US2004/001267, filed on 14 January 2004.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

DISCLOSURE AND/OR CLAIM FOR PRIORITY UNDER 35 U.S.C. §§ 119(a)-(d) OF FOREIGN APPLICATIONS FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) OF THIS APPLICATION

I hereby claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) of any foreign applications for patent, inventor's certificate or PCT international application designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent, inventor's certificate or any PCT international application designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Clai Under 35 US	
PCT	PCT/US04/001267	14 January 2004	X Yes	No
			Yes	No
			Yes	No
			Yes	No

DISCLOSURE OF FOREIGN APPLICATION(S) IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THE FILING OF THIS APPLICATION

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)

CLAIM FOR PRIORITY OF UNITED STATES APPLICATIONS OR PCT APPLICATIONS FILED IN THE UNITED STATES RECEIVING OFFICE UNDER 35 U.S.C. §120

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Application No.	Date Filed	Status Patented/Pending/Abandoned

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date	
60/440,394	01/14/03	
60/449,829	02/24/03	
60/453,390	03/06/03	
60/470,875	05/14/03	

POWER OF ATTORNEY

I hereby appoint all the practitioners associated with Customer Number <u>35133</u> (which is the Customer Number assigned to Cozen O'Connor to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number <u>35133</u> is an attorney registered before the United States Patent and Trademark Office.

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Direct all telephone calls to: Michael P. Straher

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Telephone No.: (215) 665-2000 Facsimile No.: (215) 665-2013

Full name of second joint inventor				
Robert	M.	Jones		
(Given Name)	(Middle Initial or Name)	Family (or last name)		
City/State of Actual	Residence: San Deigo, California			
Mailing Address:	10937 Corte luz del Sol, San Diego, Ca	lifornia 92130		
Country of Citizens	hip: United Kingdom/			
Inventor's signature	e: WWW MINOR			
Date: 28-Felo	2006			

Full name of sole or second	l joint inventor	
Graeme		Semple
(Given Name)	(Middle Initial or Name)	Family (or last name)
City/State of Actual Reside	ence: San Diego, California	
Mailing Address: 15920	Camino Codorniz, San Diego, Cali	fornia 92127
Country of Citizenship:	United Kingdom	N
Inventor's signature:	Malue Leu	yh
Date: 3-2-06		

Full name of third joint inv	entor	
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Country of Citizenship:	Brazil	
Inventor's signature:		
Date:		-

Full name of fourth join	nt inventor	
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Country of Citizenship	: Brazil	•
Inventor's signature:		
Date: 03.07.20	06	

Full name of fifth joint inve	ntor	
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Inventor's signature:	Imelde Coldera	
Date: 3-02-06		
(Given Name) City/State of Actual Resider Mailing Address: 10971 Country of Citizenship: Inventor's signature:	Caminito Arcada, San Diego, Califo	Family (or last name) rnia 92131

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Country of Citizenship:	United States of America	
Inventor's signature:		
Date:		

Kameshwari	_		<u>Duvvuri</u>
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Country of Citizenship:	<u>India</u>	•	
Inventor's signature:			
Date:			

Full name of eighth joint inventor			
Jin Sun Karoline Choi			
(Given Name) (Middle Initial or Name) Family (or last name)			
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Country of Citizenship: United States of America			
Inventor's signature: In Sun Moi			
Date: Feb 28 2006.			

Full name of ninth joint inventor				
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Country of Citizensh	ip: United States of Am	<u>erica</u>		
Inventor's signature: 4147				
Date: 2-28-26	×66			

Full name of tenth joint inventor			
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Country of Citizens Inventor's signature	1111		
Date: <u>Jeb.</u> 2	8, 2006		

Full name of eleventh joint inventor				
Mihai (Given Name)	D. (Middle Initial or Name)	Azimioara Family (or last name)		
City/State of Actual	Residence: <u>La Jolla, California</u>			
Mailing Address: 3770 La Jolla Village Drive, La Jolla, California 92037				
Country of Citizenship: United States of America				
Inventor's signature:				
Date:				

DOCKET NO.: AREN34.US5.PCT

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DECLARATION AND POWER OF ATTORNEY

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TYPE OF DECLARATION

This de	eclaration is for	r the following type of applic	ation:	
		(check one applicab	le item b	elow)
	Original			Divisional
	Continuation		\boxtimes	U.S. National Stage of PCT
	Continuation-	in-Part		
believe origina	e that I am the	original, first and sole inven at inventor (if plural names a	tor (if or	cated below next to my name; and I nly one name is listed below) or an below) of the subject matter which
	\boxtimes	Utility Patent		Design Patent
is soug	tht on the inver	ntion, whose title appears abo	ve, the s	pecification of which:
		is attached hereto		
		was filed on,	as U.S. S	Serial Number
			in PCT	(if applicable) International Application Number anuary 2004.

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Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Cla Under 35 US	
PCT	PCT/US04/001267	14 January 2004	X Yes	No
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Application No.	Date Filed	Status Patented/Pending/Abandoned

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)

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60/449,829	02/24/03	· · · · · · · · · · · · · · · · · · ·
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60/470,875	05/14/03	

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Full name of second joint inventor				
Robert (Given Name)	M. (Middle Initial or Name)	Jones Family (or last name)		
City/State of Actual	Residence: San Deigo, California			
Mailing Address: 10937 Corte luz del Sol, San Diego, California 92130				
Country of Citizenship: <u>United Kingdom</u>				
Inventor's signature:				
Date:				

Full name of sole or second	l joint inventor	
Graeme		Semple
(Given Name)	(Middle Initial or Name)	Family (or last name)
City/State of Actual Reside	ence: San Diego, California	
Mailing Address: 15920	Camino Codorniz, San Diego, Califo	ornia 92127
Country of Citizenship:	United Kingdom	
Inventor's signature:		
Date:		

Full name of third jo	oint inventor	
Beatriz		Fioravanti
(Given Name)	(Middle Initial or Name)	Family (or last name)
City/State of Actual	Residence: <u>Tucson, Arizona</u>	
Mailing Address:	60 West Stone Loop, No. 327, Tucson,	Arizona 85704
Country of Citizensl		
Inventor's signature	:: Beatriz Fioravan	nti
Date: 09/14/20	<u>x05</u> 0	

Guilherme			Pereira
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Mailing Address:	7366 Mesa C	ollege Drive, No. 43, San	Diego, California 92111
Country of Citizensl	nip: <u>Brazil</u>	<u>Į</u>	
Inventor's signature		-	
Date:			

Full name of fifth joint	inventor	
Imelda (Given Name)	(Middle Initial or Name)	Calderon Family (or last name)
City/State of Actual Res	sidence: San Diego, Califo	<u>ornia</u>
Mailing Address: 10	971 Caminito Arcada, San Dieg	o, California 92131
Country of Citizenship:	United States of America	
Inventor's signature:		
Date:		

Full name of sixth joint inventor				
Jane		_Uy		
(Given Name)	(Middle Initial or Name)	Family (or last name)		
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Mailing Address: 519 A	South Madison Avenue, Monrovi	a, California 91016		
Country of Citizenship:	United States of America			
Inventor's signature:				
Date:				

Full name of seventh	ı joint inventor		
Kameshwari (Given Name)	(Middle	Initial or Name)	Duvvuri Family (or last name)
City/State of Actual	Residence:	Lexington, Kentucky	
Mailing Address:	2301 The Wood	ds Lane, Lexington, Ken	tucky 40502
Country of Citizensl	hip: <u>India</u>		
Inventor's signature	<u> </u>		
Date:			

Full name of eighth	joint inventor	
Jin Sun Karoline (Given Name)	(Middle Initial or Name)	Choi Family (or last name)
City/State of Actual	Residence: San Diego, California	
Mailing Address:	9926 Scripps Westview Way, No. 251.	San Diego, California 92131
Country of Citizens	hip: United States of America	
Inventor's signature	e:	
Date:		

Full name of ninth joint inventor				
Yifeng (Given Name)	(Middle	Initial or Name)	Xiong Family (or last name)	
City/State of Actual	Residence:	San Diego, California	<u>l</u>	
Mailing Address:	5036 Pearlman	Way, San Diego, Cali	<u>fornia 92130</u>	
Country of Citizensh	ip: <u>United S</u>	tates of America		
Inventor's signature	:			
Date:				

Full name of tenth j	oint inventor	
Vibha		Dave
(Given Name)	(Middle Initial or Name)	Family (or last name)
City/State of Actual	Residence: San Diego, California	
Mailing Address:	6188 Sunset Crest Way, San Diego, Ca	lifornia 92121
Country of Citizensl	ip: <u>United States of America</u>	
Inventor's signature		-
Date:		

Full name of eleventh joint inventor				
Mihai (Given Name)	D. (Middle Initial or Name)	Azimioara Family (or last name)		
City/State of Actual	Residence: <u>La Jolla, California</u>			
Mailing Address:	3770 La Jolla Village Drive, La Jolla,	California 92037		
Country of Citizensl	ip: <u>United States of America</u>			
Inventor's signature	:			
Date:				

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			Yes	No

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Country of Citizensl	ip: <u>United Kingdom</u>			
Inventor's signature	:			
Date:				

Full name of sole or sec	ond joint inventor	
Graeme (Given Name)	(Middle Initial or Name)	Semple Family (or last name)
City/State of Actual Re		1 amily (or tast name)
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Date:		

Full name of third joint inventor			
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Inventor's signature:			
Date:			
			

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Country of Citizens	hip: <u>Brazil</u>		
Inventor's signature			
Date:			

Full name of fifth jo	int inventor	
Imelda (Given Name)	(Middle Initial or Name)	Calderon Family (or last name)
City/State of Actual	Residence: San Diego, California	
Mailing Address:	10971 Caminito Arcada, San Diego, Ca	alifornia 92131
Country of Citizensh	ip: United States of America	
Inventor's signature	:	
Date:		

Full name of sixth join	nt inventor	
Jane (Given Name)	(Middle Initial or Name)	<u>Uy</u> Family (or last name)
City/State of Actual R	esidence: <u>Monrovia, California</u>	
Mailing Address:	19 A South Madison Avenue, Monrov	ia, California 91016
Country of Citizenshi	p: <u>United States of America</u>	
Inventor's signature:		
Date:		

Full name of seventh joint inventor	
Kameshwari	<u>Duvvuri</u>
(Given Name) (Middle Initial or Name)	Family (or last name)
City/State of Actual Residence: Lexington, Kentucky	
Mailing Address: 2301 The Woods Lane, Lexington, Ken	tucky 40502
Country of Citizenship: <u>India</u>	
Inventor's signature: D. Kameswan	
Date: 8 30 05	

Full name of eighth	joint inventor	
Jin Sun Karoline (Given Name)	(Middle Initial or Name)	Choi Family (or last name)
City/State of Actual	Residence: San Diego, Cali	<u>ifornia</u>
Mailing Address:	9926 Scripps Westview Way, No	o. 251, San Diego, California 92131
Country of Citizens	hip: <u>United States of America</u>	1
Inventor's signature	•	
Date:		

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Given Name)	(Middle Initial or Name)	Family (or last name)
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Country of Citizensh	ip: <u>United States of America</u>	
nventor's signature	<u> </u>	
Date:		

Full name of tenth jo	oint inventor		
Vibha (Given Name)	(Middle Initial or No	ame) Dave Family (or last na	ıme)
City/State of Actual	Residence: <u>San Diego</u> ,	California	
Mailing Address:	6188 Sunset Crest Way, San	ı Diego, California 92121	
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Inventor's signature			
Date:			

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Robert M. Jones, Graeme Semple, Beatriz Fioravanti, Guilherme Pereira, Imelda Calderon, Jane Uy, Kameshwari Duvvuri, Jin Sun Karoline Choi, Yifeng Xiong, Vibha Dave and Mihai D. Azimioara

For: 1,2,3-TRISUBSTITUTED ARYL AND HETEROARYL DERIVATIVES AS MODULATORS OF METABOLISM AND THE PROPHYLAXIS AND TREATMENT OF DISORDERS RELATED THERETO SUCH AS DIABETES AND HYPERGLYCEMIA

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This de	eclaration is for	r the following type of applic	ation:	
		(check one applicab	le item b	elow)
	Original			Divisional
	Continuation		\boxtimes	U.S. National Stage of PCT
	Continuation-in-Part			
believe origina	e that I am the	original, first and sole inven nt inventor (if plural names a	itor (if oi	tated below next to my name; and I nly one name is listed below) or an below) of the subject matter which Design Patent
is soug	. 🗀	ntion, whose title appears abo	ove, the s	
		is attached hereto		
		was filed on,	as U.S. S	Serial Number
			in PCT	(if applicable) International Application Number

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

DISCLOSURE AND/OR CLAIM FOR PRIORITY UNDER 35 U.S.C. §§ 119(a)-(d) OF FOREIGN APPLICATIONS FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) OF THIS APPLICATION

I hereby claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) of any foreign applications for patent, inventor's certificate or PCT international application designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent, inventor's certificate or any PCT international application designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Cla Under 35 U	
PCT	PCT/US04/001267	14 January 2004	X Yes	No
			Yes	No
			Yes	No
			Yes	No

DISCLOSURE OF FOREIGN APPLICATION(S) IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THE FILING OF THIS APPLICATION

Application Number	Date of Filing (day, month, year)
	Application Number

CLAIM FOR PRIORITY OF UNITED STATES APPLICATIONS OR PCT APPLICATIONS FILED IN THE UNITED STATES RECEIVING OFFICE UNDER 35 U.S.C. §120

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date Filed	Status Patented/Pending/Abandoned

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date	
60/440,394	01/14/03	
60/449,829	02/24/03	
60/453,390	03/06/03	
60/470,875	05/14/03	

POWER OF ATTORNEY

I hereby appoint all the practitioners associated with Customer Number <u>35133</u> (which is the Customer Number assigned to Cozen O'Connor to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number <u>35133</u> is an attorney registered before the United States Patent and Trademark Office.

Address all correspondence and maintenance fee correspondence to the address identified in <u>Customer No. 35133</u> which is assigned to Cozen O'Connor, 1900 Market Street, Philadelphia, PA 19103.

Direct all telephone calls to: Michael P. Straher

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Country of Citizenship:	United Kingdom			
Inventor's signature:				
Date:				

Full name of sole or second joint inventor						
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Country of Citizenship:	United Kingdom					
Inventor's signature:						
Date:						

Full name of third join	nt inventor	
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Inventor's signature:		
Date:		

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Full name of fifth je	oint inve	entor			
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Full name of sixth j	oint inventor	
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Country of Citizens		
Inventor's signatur Date: 09/14	e: <u>Jane flat</u> H05_	guerta ly

ALL-PURPOSE CALIFORNIA ACKNOWLEDGEMENT

State of California	
County of dos argelas ss.	
On September 14,05 before me, Susan Mosky personally appeared Suggesta My personally known to me (or proved to me on the basis of satisfactory evidence name(s) (is are subscribed to the within instrument and acknowledged to me the same in his her/their authorized capacity (ies), and that by his her/their signate person(s), or the entity upon behalf of which the person(s) acted, executed the	e) to be the person(s) whose nat he/she/they executed the ure(s) on the instrument the
WIINESS my hand and official seal. S COMI P NOTARY PI 1 LOS AN	AN MOODY Z M. #1475874 S JBLIC - CALIFORNIA P GELES COUNTY 1 1. Exp. April 7, 2008 (seal)
**************************************	n preventing fraudulent use
DOCUMENT DATE: 9/14/05 NUMBER OF PAGES: 9 COMMENTS:	RIGHT THEMBPRINT OF SIGNER
	RIGHT THUMBPRINT OF SIGNER

Full name of seventh joint inventor				
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Country of Citizenship:	<u>India</u>			
Inventor's signature:				
Date:				

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Country of Citizenshi	p: United States of America	
Inventor's signature:		
Date:		

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Inventor's signature:			
Date:			

Full name of tenth joi	nt inventor	
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Date:		

Full name of eleventh joint inventor				
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Country of Citizenship: <u>United States of America</u>				
Inventor's signature:				
Date:				

DOCKET NO.: AREN34.US5.PCT

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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is for the following type of application: (check one applicable item below) Original Divisional Continuation \boxtimes U.S. National Stage of PCT Continuation-in-Part My residence, post office address and citizenship are as stated below next to my name; and I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a \boxtimes **Utility Patent** Design Patent is sought on the invention, whose title appears above, the specification of which: is attached hereto was filed on ______, as U.S. Serial Number _____. \Box and was amended on _____ (if applicable) was described and claimed in PCT International Application Number

PCT/US2004/001267, filed on 14 January 2004.

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Country (or indicate if PCT)	·		indicate if PCT) Number (day, month,	(day, month,	Priority Claimed Under 35 USC 119a-e	
PCT	PCT/US04/001267	14 January 2004	<u>X</u> YesNo			
			YesNo			
			YesNo			
			YesNo			

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Full name of sole or second	l joint inventor	
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Date:		

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	esidence: San Diego, California 926 Scripps Westview Way, No. 251,

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nventor's signature	::		
Date:			

Full name of tenth jo	oint inventor	
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Date:		

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Country of Citizensh	ip: United States of America	
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Date: 02/23/2	200	